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DOCKET # 208915US2D
INV: Masahiro TAKAGI, et al.
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FIG.1

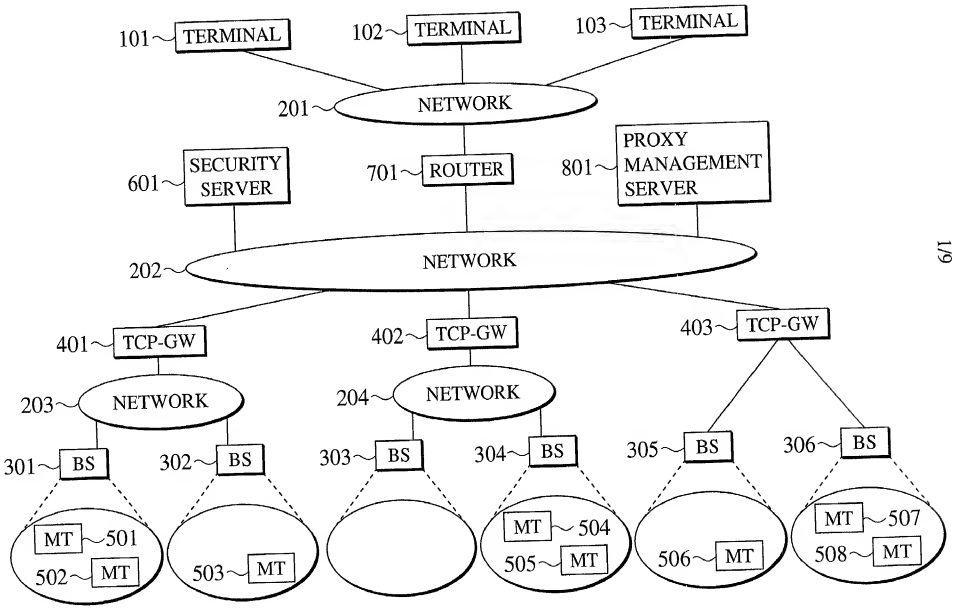


FIG.2

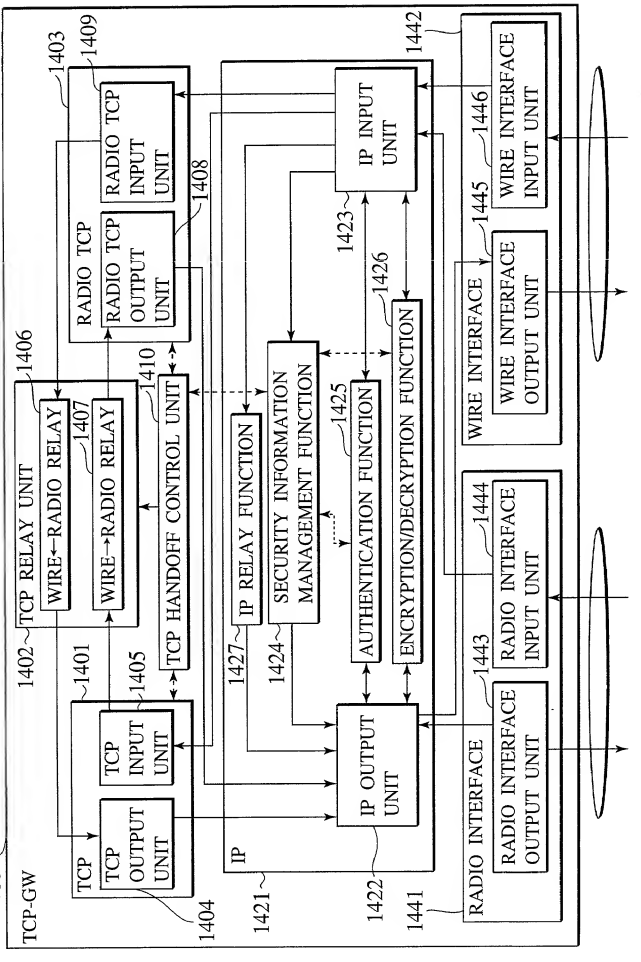

400
TCP-GW
TCP
TCP OUTPUT UNIT
TCP INPUT UNIT
1404
1401
1405
TCP RELAY UNIT
1402
WIRE←RADIO RELAY
WIRE→RADIO RELAY
1406
1407
1410
TCP HANDOFF CONTROL UNIT
RADIO TCP
RADIO TCP OUTPUT UNIT
RADIO TCP INPUT UNIT
1403
1409
1408
IP
1421
IP OUTPUT UNIT
1422
IP RELAY FUNCTION
1427
SECURITY INFORMATION MANAGEMENT FUNCTION
1424
AUTHENTICATION FUNCTION
1425
ENCRYPTION/DECRYPTION FUNCTION
1426
IP INPUT UNIT
1423
1442
RADIO INTERFACE
RADIO INTERFACE OUTPUT UNIT
1441
1443
RADIO INTERFACE INPUT UNIT
1444
WIRE INTERFACE
WIRE INTERFACE OUTPUT UNIT
1445
WIRE INTERFACE INPUT UNIT
1446

FIG.3

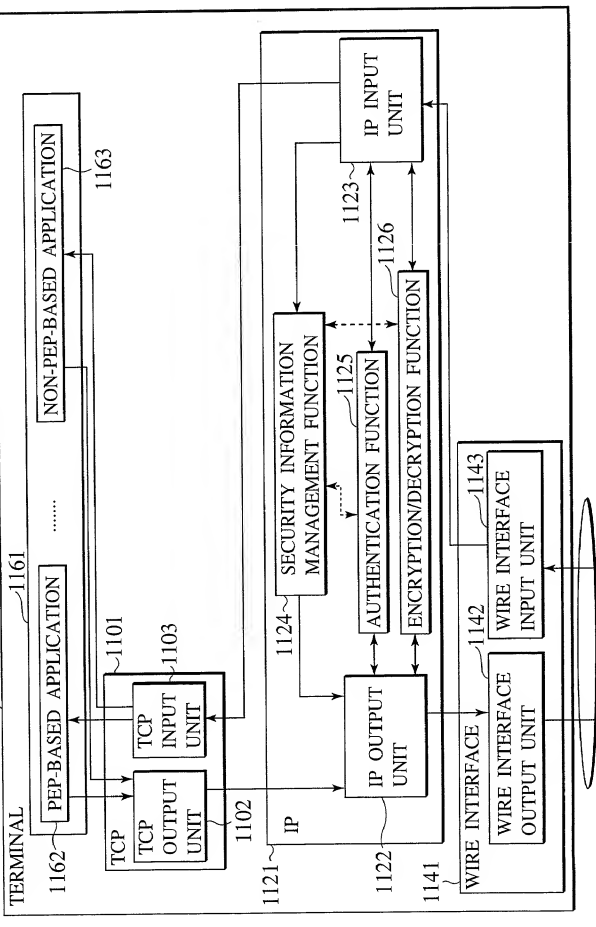
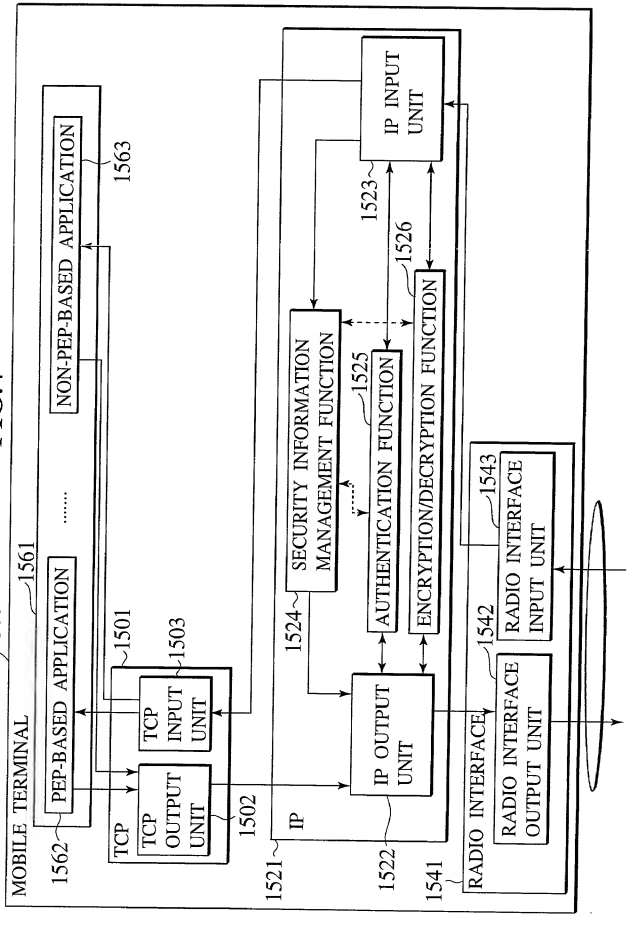

100
TERMINAL
1161
PEP-BASED APPLICATION
.....
NON-PEP-BASED APPLICATION
1163
1162
TCP
TCP OUTPUT UNIT
1101
TCP INPUT UNIT
1103
1102
IP
1121
SECURITY INFORMATION MANAGEMENT FUNCTION
1124
1125
AUTHENTICATION FUNCTION
ENCRYPTION/DECRYPTION FUNCTION
1126
IP INPUT UNIT
1123
IP OUTPUT UNIT
1122
WIRE INTERFACE
1141
1142
WIRE INTERFACE OUTPUT UNIT
1143
WIRE INTERFACE INPUT UNIT

FIG.4


500
MOBILE TERMINAL
1561
PEP-BASED APPLICATION
.....
NON-PEP-BASED APPLICATION
1562
1563
TCP
TCP OUTPUT UNIT
1501
TCP INPUT UNIT
1503
1502
IP
1521
1524
SECURITY INFORMATION MANAGEMENT FUNCTION
1525
AUTHENTICATION FUNCTION
1526
ENCRYPTION/DECRYPTION FUNCTION
1523
IP INPUT UNIT
IP OUTPUT UNIT
1522
1541
RADIO INTERFACE
RADIO INTERFACE OUTPUT UNIT
1542
RADIO INTERFACE INPUT UNIT
1543

TOE250 0mh29860

FIG.5

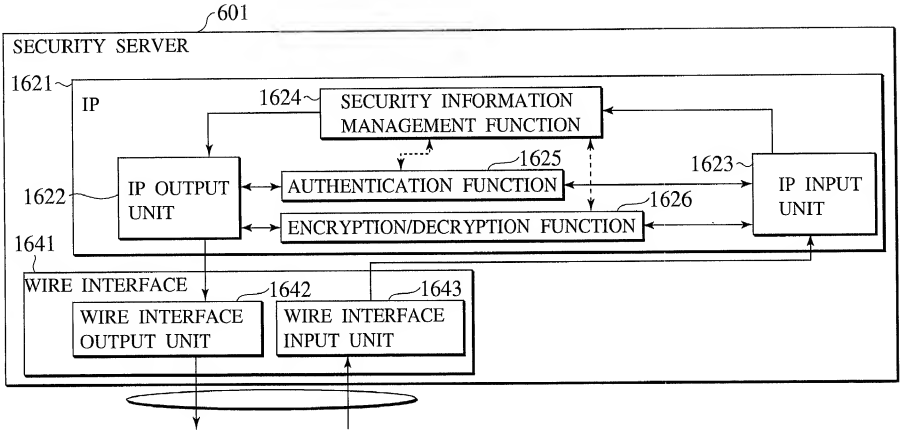


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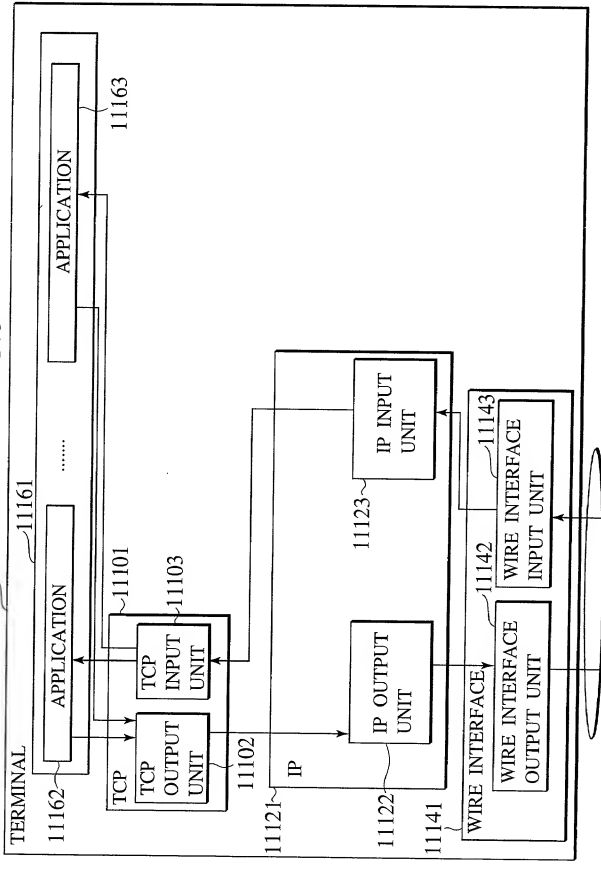
FIG.6


1100
TERMINAL
11161
APPLICATION
.....
APPLICATION
11163
11162
TCP
11101
TCP OUTPUT UNIT
TCP INPUT UNIT
11103
11102
IP
11121
IP OUTPUT UNIT
11122
IP INPUT UNIT
11123
WIRE INTERFACE
11141
11142
11143
WIRE INTERFACE OUTPUT UNIT
WIRE INTERFACE INPUT UNIT

10E250 04+29860

FIG.7

T0E250 "0hh29860

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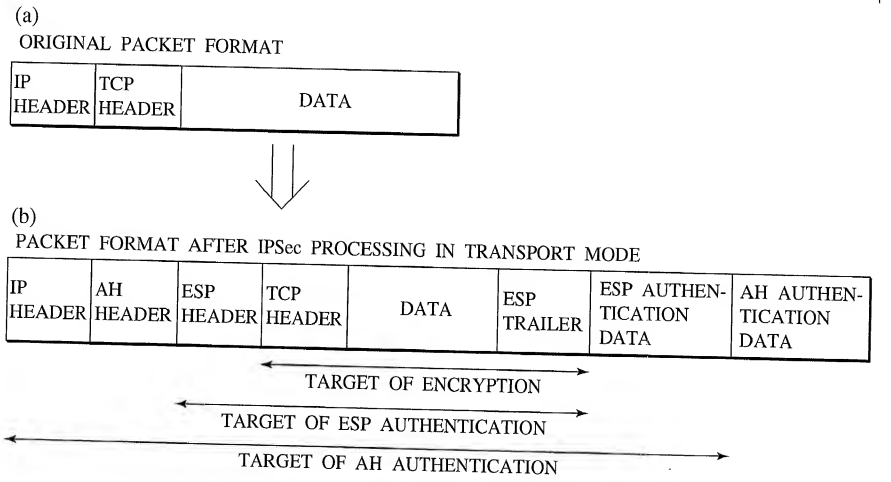
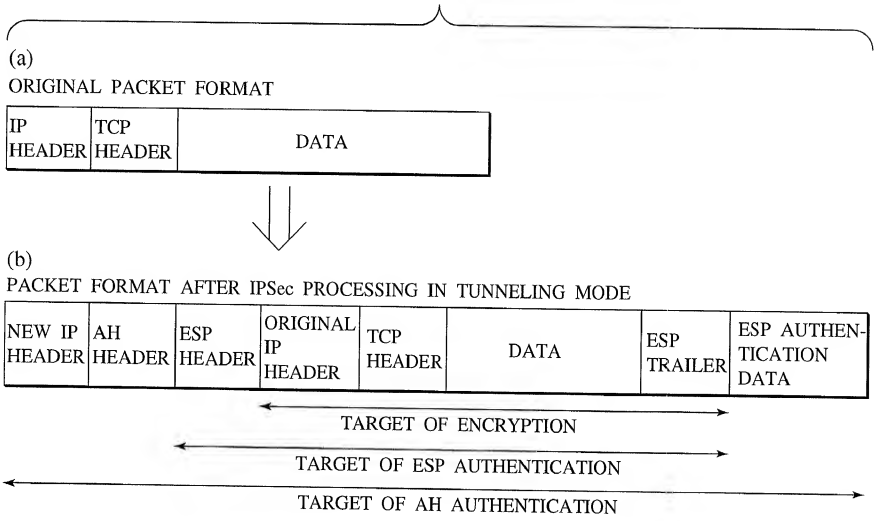
FIG.8



TOE250 04429860

FIG.9



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ATTY. DOCKET: 2428/1/US/ZD
DOCKET: 24281US/ZD
INV: Masahiro FUKASAWA et al.
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